

CURRICULUM VITAE

NAME: Christopher Morris Teaf

DATE OF BIRTH: 5 May 1953

PLACE OF BIRTH: Philadelphia, PA

HOME ADDRESS: 3527 Trillium Court
Tallahassee, FL 32312
(850) 668-4303

MARITAL STATUS: Married, two children

PROFESSIONAL POSITIONS: Associate Director
Center for Biomedical & Toxicological Research and Waste Management
Florida State University
2035 East Paul Dirac Drive
Suite 226 HMB
Tallahassee, FL 32310
(850) 644-5524 phone
(850) 574-6704 FAX
cteaf@fsu.edu email

President & Director of Toxicology
Hazardous Substance & Waste Management Research, Inc.
2976 Wellington Circle West
Tallahassee, FL 32309
(850) 681-6894 phone
(850) 906-9777 FAX
cteaf@hswmr.com email

EDUCATION: Ph.D. Toxicology, 1985
University of Arkansas for Medical Sciences (UAMS)
M.S. Biological Science, 1980
Florida State University (FSU)
B.S. Biology, 1975
Pennsylvania State University (PSU)

PROFESSIONAL MEMBERSHIPS: Florida Bar, Environmental and Land Use Law Section
National Association of Environmental Professionals
National Association of Underwater Instructors
Society of Toxicology
Society for Environmental Toxicology and Chemistry
Society for Risk Analysis

ACTIVITIES & HONORS:

Senior Editor for Human Risk Assessment, international journal *Human & Ecological Risk Assessment*, published by Taylor & Francis. 2004 to present (*also Editorial Board, 2000 to 2004*).

Editorial Board, international journal *Environmental Forensics*, Taylor & Francis Publ. 2006-present.

Advisory Board, Center for Terrorism & Public Health, FSU College of Medicine. 2001-present.

District 2 Local Emergency Planning Committee, Florida Emergency Response Commission, 1987 to present (*Vice Chair, 1991*).

Board of Directors, Dog Island Conservation District. 2002 to present (*Chair, 2004 to present*).

Science Advisory Board, 24th International Conference on Contaminated Soils, Sediments & Water, 2008. Amherst, MA.

Science Advisory Board, 23rd International Conference on Contaminated Soils, Sediments & Water, 2007. Amherst, MA.

Science Advisory Board, 22nd International Conference on Contaminated Soils, Sediments & Water, 2006. Amherst, MA.

Science Advisory Board, 21st International Conference on Contaminated Soils, Sediments & Water, 2005. Amherst, MA.

Editorial Board, international journal *Soil & Sediment Contamination*, CRC Press, LLC. 2002 to present.

Science Advisory Board, 20th International Conference on Contaminated Soils, Sediments & Water, 2004. Amherst, MA.

Courtesy Professor, Department of Geology, Florida State University. 1999 to present.

Science Advisory Board, 19th International Conference on Contaminated Soils, Sediments & Water. Amherst, MA. 2003.

Science Advisory Board, 18th International Conference on Contaminated Soils, Sediments & Water. 2002. Amherst, MA.

Co-Director, NATO Advanced Research Workshop on Risk Assessment and Water Issues in Central Asia. 2000 to 2003. Almaty, Kazakhstan. 2000 to 2003.

Science Advisory Board, 17th International Conference on Contaminated Soils, Sediments & Water. 2001. Amherst, MA.

Advisory Board, Int'l Congress on Petrol. Contaminated Soils, Sediment & Water. London. 2000-2001.

Science Advisory Board, 16th International Conference on Contaminated Soils, Sediments & Water. 2000. Amherst, MA.

Assistant Scoutmaster, Troop 44. Tallahassee, FL. 1998 to 2004.

Editorial Board, *Environmental Toxicology & Chemistry*, published by CRC Press, LLC. 1997 to present.

Petroleum Underground Storage Tanks Technical Advisory Committee, Florida Department of Environmental Protection. 1996 - present.

Science Advisory Board, 15th International Conference on Contaminated Soils, Sediments & Water. Amherst, MA. 1998-1999.

Toxic Substances Advisory Council, Florida Department of Labor. 1990-2000 (*Chair, 1991-1996*).

Florida Bar, Environmental and Land Use Law Section Faculty and Steering Committee, 1996 - 1997.

Safety Committee, Florida Department of Environmental Protection, 1995 – 1997 (*advisor 1995-present*).

Florida Bar, Environmental and Land Use Law Section Faculty and Steering Committee, 1993 - 1994.

Technical Advisory Committee, MGP '95 - International Symposium on the Cleanup of Manufactured Gas Plant Sites. Prague, Czech Republic, 1994 to 1995.

Florida Comparison of Environmental Risks Project, 1994-1995 (*Human Health Co-chair*).

Landfill Technical Advisory Group, Florida Department of Environmental Protection, 1993-1994.

Benlate Health Effects Committee, Pesticide Review Council, Florida Department of Agriculture & Consumer Services, 1993-95.

Technical Advisory Committees for Budapest '92, Budapest '94, Warsaw '96, Warsaw '98, Prague 2000, Prague, 2003; 1st, 2nd, 3rd, 4th, 5th, and 6th International Symposia on Environmental Contamination in Central & Eastern Europe. 1991-2004.

Governor's Financial & Tech. Advisory Committee, Florida Dept. of Environ. Protection. 1986-1992.

Radon Measurement Specialist (*FL HRS Certification R1032*), 1989 to present.

Technical Referee: Human & Ecological Risk Assessment (1999-present); Nonlinearity in Biology, Toxicology and Medicine (2005-present); Ohio Journal of Science (1988-1992); Bulletin of Marine Sci. (1994-1998); Environmental Toxicology & Chemistry (1997-present); Environmental Biology of Fishes (1987-1990), Soil & Sediment Contamination (2002-present), Environmental Forensics (2006-present).

Director, Tallahassee Marathon/Half Marathon, 1989, 1990, 1991, 1995.

Outstanding Research Award, University of Arkansas Medical School, 1984.

Who's Who Among American College Students, 1983.

Graduation With Honors, Pennsylvania State University, 1975.

National Merit Scholar Program, 1971.

Eagle Scout, 1969 (Troop 1, Boy Scouts of America; Paoli, PA; Assistant Scoutmaster 1971 to 1975)

SUMMARY OF ACTIVITIES

Dr. Teaf received a BS (Biology) from Penn State and MS (Biological Science) from Florida State University. He earned a Ph.D. (Toxicology) from the University of Arkansas for Medical Sciences and conducted his research at the National Center for Toxicological Research. His experience includes positions of Associate Director, FSU Center for Biomedical & Toxicological Research and Hazardous Waste Management since 1983, and Director of Toxicology for HSWMR, Inc. since 1985 (President since 1989). From 1980 to 1982 he served as Research Staff for the Governor's Hazardous Waste Policy Advisory Council.

Areas of research and professional activity include: toxicological risk assessment for exposure to occupational and environmental chemicals under requirements of OSHA, CERCLA, SARA, RCRA, TSCA, and related state or federal legislation; modification of mutagenicity by environmental factors; effects of drugs and alcohol, male reproductive toxicology, aquatic toxicology, and waste management. Dr. Teaf has served as peer reviewer for: Human & Ecological Risk Assessment; Environmental Forensics; Nonlinearity in Biology, Toxicology and Medicine; Environmental Toxicology & Chemistry; Bulletin of Marine Science; Ohio Journal of Science; Chemosphere; Environmental Biology of Fishes, and reviews of research submitted to the Agency for Toxic Substances and Disease Registry (ATSDR). He is on Editorial Boards for Soil & Sediment Contamination and Environmental Forensics, and is Senior Human Risk Assessment Editor for Human & Ecological Risk Assessment. He has directed or conducted research for the U.S. Environmental Protection Agency (USEPA), U.S. Department of Agriculture, and several agencies in Florida, including: Department of Labor, Department of Environmental Protection (FDEP), Department of Health (FDOH), and Department of Community Affairs. He served as toxicologist to the Governor's Financial & Technical Advisory Committee (1986-1992), and for the state Landfill Technical Advisory Group (1993-1994). He presently serves as toxicologist for the state Petroleum Underground Storage Tanks Technical Advisory Committee. He was Co-chair of the Human Health Committee, Florida Comparison of Environmental Risks Project, a cooperative study funded by USEPA, FDEP and other agencies. He served as Chair of the Toxic Substances Advisory Council for the Florida Department of Labor, which implemented the Florida Right-to-Know Law. Dr. Teaf is toxicologist for and served as Vice-Chair of the District 2 Local Emergency Planning Committee (State Emergency Response Commission). From 1986-1989, he was liaison between the State University System of Florida Toxicological Research Coordinating Committee and FDEP. He presently is involved in activities in the U.S. and abroad related to preventing chemical terrorism. From 1998-2005, Dr. Teaf was actively involved in the statewide Contaminated Soils Forum and a technical subgroup, the Methodology Focus Group. He has served on graduate committees at Florida A&M University and Georgia Tech.

Chris has taught graduate and undergraduate courses at Florida State University, Florida A&M, the University of Florida, and Georgia Tech. He has organized and participated in seminars and training courses for many groups including the World Health Organization (WHO), USEPA, U.S. Department of Agriculture, ATSDR, FDOH, Florida Engineering Society, Florida Bar Association, FDEP, Florida Department of Education, Florida Chamber of Commerce, National Conference on Waste Exchange and Resource Reuse, National Hazardous Materials Training Center, and American Bar Association. He has served on Advisory Committees for MGP '95 (International Symposium on the Cleanup of Manufactured Gas Plants; in Prague), and for the six International Symposia on Environmental Contamination in Central & Eastern Europe (Budapest, Warsaw, Prague), among others.

Dr. Teaf has provided technical services on toxicology, environmental and human health risk assessment, waste management, recycling, water quality, and occupational health/safety, particularly regarding OSHA Hazard Communication Standard, Florida Right-to-Know Law and federal requirements under RCRA, CERCLA, and TSCA or related state regulations, including CERCLA cost allocations. He has provided services to the U.S. Attorney, and Florida State Attorney, as well as Attorneys General of Florida, Washington and Oklahoma. Dr. Teaf has testified on environmental issues, alcohol/drugs, occupational exposures, chemical health effects, and toxicological risk assessment to regulatory, legislative and judicial bodies.

SUMMARY OF PROFESSIONAL POSITIONS:

Associate Director
Center for Biomedical & Toxicological Research and Waste Management
Florida State University (Tallahassee, FL)
1983 to present

Director of Toxicology
Hazardous Substance & Waste Management Research, Inc. (HSWMR; Tallahassee, FL)
1985 to present (President, 1989 to present)

Advisory Board
Center for Terrorism and Public Health
Florida State University College of Medicine
2002 to present

Adjunct Faculty
College of Pharmacy & Pharmaceutical Sciences
Florida A & M University (Tallahassee, FL)
1998 to present

Board Member
Dog Island Conservation District
Franklin County, Florida
2002 to present (Chair, 2004 to present)

Board of Directors
Southern Waste Information Exchange (Tallahassee, FL)
2000 to present (Chair, 2000 to 2004)

Associate in Medicine
Program in Medical Sciences / FSU Medical School
Florida State University (Tallahassee, FL)
1995 to 2002

Toxicologist
Toxic Substances Advisory Council
Florida Department of Labor & Employment Security (Tallahassee, FL)
1990 - 1998 (Chairman, 1992 to 1998)

Toxicologist
Petroleum Underground Storage Tanks Advisory Committee
Florida Department of Environmental Protection (Tallahassee, FL)
1996 to present

Toxicologist
District 2 Local Emergency Planning Committee
Florida Department of Community Affairs (Tallahassee, FL)
1987 to present (Vice Chairman, 1991)

Toxicologist
Florida Landfill Technical Advisory Group
Florida Department of Environmental Protection (Tallahassee, FL)
1993 - 1994

Adjunct Faculty
Interdisciplinary Toxicology Program
University of Arkansas for Medical Sciences (Little Rock, AR)
1986 - 1989

Toxicologist
Governor's Financial and Technical Advisory Committee
Florida Department of Environmental Regulation (Tallahassee, FL)
1986 - 1992

Research Assistant
National Center for Toxicological Research and the University
of Arkansas for Medical Sciences (Little Rock, AR)
1983 - 1985

Associate Director
Southern Waste Information Exchange (Tallahassee, FL)
1981 - 1983

Research Staff
Florida Governor's Hazardous Waste Policy Advisory Council
1980 - 1982

Research Associate, Hazardous Waste Management Program
Florida State University (Tallahassee, FL)
1979 - 1983

Teaching/Research Assistant
Departments of Biological Science and Oceanography
Florida State University (Tallahassee, FL)
1976 - 1980

Animal Technician
Wyeth Laboratories (Philadelphia, PA)
1975 - 1976

TEACHING EXPERIENCE:

Air Quality (*Indoor/Outdoor*)
Alcohol and Other Drugs
Aquatic Toxicology
Carcinogenesis and Carcinogens
Comparative Vertebrate Morphology
Dermal Toxicology
Emergency Response and Contingency Planning
Environmental Chemistry & Behavior of Chemicals
General Zoology
Hazardous Waste Management
Health and Safety for Site Investigation and Response Personnel (*40 Hr and 8 Hr*)
Ichthyology
Inhalation Toxicology
Industrial and Occupational Toxicology
Metals Toxicology (*e.g., arsenic, lead, mercury, nickel, vanadium, cadmium, chromium*)
Mutagenesis
Nephrotoxicity
Airborne Particulates
Right-to-Know and Hazard Communication Laws (*OSHA and state*)
Pesticide Toxicology
Principles of Toxicology and Risk Assessment
Radionuclides and Radiation Toxicology
Reproductive Toxicology
Research Diving Techniques
Seafood Safety: Health Effects from Contaminated Products
Toxicology of Solvents and Other Organic Hydrocarbons
Toxicological Risk Assessment
Toxicology and Management of Mixed Wastes (*Chemical/Radiological*)
Toxicology for Physicians, Nurses, and Other Public Health Personnel

Courses listed represent those taught at Florida State University, University of Florida, University of North Florida, Florida A & M University, Georgia Institute of Technology and Tallahassee Community College. At Florida State University, Dr. Teaf has taught classes in the Departments of Biology, Chemistry, Engineering, Geology, Oceanography, and Urban & Regional Planning. Course coverage ranges from single day short courses to full semester graduate level and undergraduate level courses.

PUBLICATIONS AND SELECTED ABSTRACTS:

Weeks, N., D. Jones, C.M. Teaf, T. Lubozynski and Petrovich, M. 2007. RBCA and Conditional Closure as a Brownfields Tool. 10th Annual Florida Brownfields Conference & Exhibition. November, 2007. Orlando, FL.

Teaf, C.M., D.J. Covert and S. Kothur. 2007. Urban Polycyclic Aromatic Hydrocarbons (PAHs): A Florida Perspective. 23rd Annual International Conference on Soils, Sediments and Water. October, 2007. Amherst, MA.

Teaf, C.M. and B.L. Johnson. 2007. Ethics in Technical Publications: How Can the System Identify and Address Scientific Fraud. 23rd Annual International Conference on Soils, Sediments and Water. October, 2007. Amherst, MA. (*Also served as Session Moderator*).

Teaf, C.M., D.J. Covert, R. M. Coleman, M. Petrovich, R.S. Murali, and V. Yarina. 2007. Risk Issues and Background Evaluation for Arsenic in Soil at a Planned Residential Development. Contaminated Soils, Sediment & Water Volume 12: pp. 77-82. (*Also served as Session Moderator*).

Teaf, C.M. 2006. Disinfection byproducts: Benefits & limitations of existing drinking water guidelines. U.S. Environmental Protection Agency Federal-State Toxicology and Risk Analysis (FSTRAC) "Safe & Clean Water" Meeting. December, 2006. Clearwater, FL.

Khankhasayev, M., R. Herndon, J. Moerlins and C.M. Teaf. 2006. Overview of NATO CCMS Pilot Study on Environmental Decision-making for Sustainable Development in Central Asia. In: Vogtmann, H. and N. Dobretsov (eds.). Environmental Security and Sustainable Land Use – with special reference to central Asia. Springer Publishers, NATO Security through Science Series. 379 pp.

Coleman, R.M., C.M. Teaf, V.P. Cavey, D.J. Covert, S.N. Hughes, M. Marcus, M. McClure. 2006. Achievement of a Beneficial Use Designation for a Specialized High Volume Byproduct. Contaminated Soils, Sediments and Water. Volume 11, Chapter 3, pp. 27-48.

Teaf, C.M. 2006. Arsenic bioavailability workshop: Physical and chemical characteristics of soils which influence decisions regarding arsenic bioavailability and health risks. EPRI Arsenic Work Group. December, 2006. Tampa, FL

Teaf, C.M. and B.L. Johnson. 2006. Fraud and deception in publication of scientific research: Is there a solution? Human and Ecological Risk Assessment 12(4): 623-625.

Teaf, C.M. 2006. Forward to Volume 11. In: Kostecki, P.T., and E.J. Calabrese (eds.), Proceedings of the 21st Annual International Conference on Soils, Sediments and Water. Amherst, MA. Soil & Sediment Contamination, Volume 11, pp ix - x.

Teaf, C.M., B. Merkel, H.M. Mulisch, J.M. Kuperberg, and E. Wcislo. 2006. Industry, mining and military sites: Potential hazards and information needs. In: Schmoll, O. et al. (eds.), Protecting Groundwater for Health: Managing the Quality of Drinking-water Sources (Chapter 11). IWA Publishers, London, UK. pp. 309-336.

Teaf, C.M., B. Merkel, H.M. Mulisch, J.M. Kuperberg, and E. Wcislo. 2006. Industry, mining and military sites: Control and protection. In: Schmoll, O. et al. (eds.), Protecting Groundwater for Health: Managing the Quality of Drinking-water Sources (Chapter 23). IWA Publishers, London, UK. pp. 613-630.

White, M., D. Rountree, K. Geis, S. Kastury, K. Taylor, J. Curtis, D. Covert, and C.M. Teaf. 2006. Cascades Park: Remediation and Beneficial Recreational Redevelopment of a Former Manufactured

Gas Plant Site. 22nd Annual International Conference on Contaminated Soils, Sediments and Water. October, 2006. Amherst, MA.

C.M. Teaf, D.J. Covert, R. M. Coleman, M. Petrovich, R.S. Murali, and V. Yarina. 2006. Risk and Background Evaluation for Arsenic in Soil at a Planned Residential Development. 22nd Annual International Conference on Contaminated Soils, Sediments and Water. October, 2006. Amherst, MA.

Clark, B.S., P.T. Medico, F.J. Bermudez, M. Clewner, R.G. Wilkins, R.M. Coleman and C.M. Teaf. 2006. Beneficial Use of C&D Recovered Screen Material in Residential Applications: A Case Study. *Soil & Sediment Contamination* 11 (3): 355-360.

Teaf, C.M. 2006. A Toxicologist's Perspective on Industrial Exposures. *Workers First Watch*, Fall 2006. pp. 17-22. (Originally published as a paper in *Proceedings of the Annual Spring Conference & CLE for the Workers Injury Law & Advocacy Group*. May, 2006. Lake Buena Vista, FL.)

Teaf, C.M. and J.M. Kuperberg. 2006 Investigation and Information Collection for Contamination at Industrial Sites. In: Chorus, I. et al. (eds.), Monograph on Characterization and Mitigation of Surface Water Contamination. World Health Organization. In editorial review for publication in 2006.

Teaf, C.M. and J.M. Kuperberg. 2006 Critical Control Points and Prevention of Contamination for Industrial Sites. In: Chorus, I. et al. (eds.), Monograph on Characterization and Mitigation of Surface Water Contamination. World Health Organization. In editorial review for publication in 2006.

Teaf, C.M. and B.J. Tuovila. 2005. Indoor Air & Human Health: 21st Century Considerations. 8th Annual Florida Brownfields Conference. October, 2005. Jacksonville, FL.

Coleman, R.M., V.P. Cavey, D.J. Covert, S.N. Hughes, M. Marcus, M. McClure, and C.M. Teaf. 2005. Achievement of a Beneficial Use Designation for a Specialized High Volume Byproduct. 21st Annual International Conference on Contaminated Soils, Sediments and Water. October, 2005. Amherst, MA.

Clark, B.S., P.T. Medico, F.J. Bermudez, M. Clewner, R.G. Wilkins, R.M. Coleman and C.M. Teaf. 2005. Beneficial Use of C&D Recovered Screen Material in Residential Applications: A Case Study. 21st Annual International Conference on Contaminated Soils, Sediments and Water. October, 2005. Amherst, MA.

Teaf, C.M. Toxicology, Epidemiology & Public Health in the Courtroom. Florida Chamber of Commerce Summer School. July, 2005. Marco Island, FL.

Teaf, C.M. 2005. Science of Toxicology: Applications to Human Health Risk Assessment. Florida Association of Environmental Professionals Spring Conference. May, 2005. Jacksonville, FL.

Coleman, R.M., V.P. Cavey, D.J. Covert, S.N. Hughes, M. Marcus, M. McClure, and C.M. Teaf. 2005. Acquiring a Florida Beneficial Use Designation (BUD) for a High Volume Utility Byproduct. 42nd Annual Conference of the Air & Waste Management Association, Florida Section. November, 2005. St. Petersburg, FL.

Teaf, C.M., P.T. Medico, F.J. Bermudez, and B.S. Clark. 2005. Case Study: Beneficial Use of RSM in Residential Land Use Conditions. 15th Annual Materials Reuse and Recycling Conference. June, 2005. Key West, FL.

Teaf, C.M. 2005. Chemicals in the Workplace: How a Toxicologist Analyzes Exposure. 10th Anniversary Conference & CLE for the Workers Injury Law & Advocacy Group. April 10, 2005. Washington, DC.

Teaf, C.M. 2005. Critical Ecological Attributes and Historical Interstate Disputes Regarding the Apalachicola-Chattahoochee-Flint River System: A Panel Discussion. NATO Pilot Study Meeting: Tools and Approaches for Sustainability and Environmental Decision-Making in Central Asia. Wakulla Springs, FL. March, 2005.

Teaf, C.M. and B. W. Nocita. 2005. Site Investigation & Evaluation of Results: Assessment of Contamination and Risk. Technical Seminar for Hillsborough County Bar Association. February, 2005. Tampa, FL.

Teaf, C.M., H.V. Ritchie and R.M. Coleman. 2004. Status of the Science on Mold and Health Issues. Technical Seminar for First Coast Manufacturers Association. August, 2004. Jacksonville, FL.

Teaf, C.M., B.J. Tuovila, E.J. Zillioux, A. Shipp, G. Lawrence, C. Van Landingham. 2004. Nickel Carcinogenicity in Relation to the Health Risks from Residual Oil Fly Ash. *Human & Ecological Risk Assessment* 10(4): 665-682.

Teaf, C.M. and R.M. Coleman. 2004. Where Does the Science Stand on Mold Issues? Technical Seminar for White & Case Law Firm and for Marsh, Inc. January, 2004. Miami, FL.

Teaf C.M. and J.M. Kuperberg. 2004. Risk Assessment, Risk Management and Risk Communication: Principles and Applications. *In*: Teaf, C.M. et al. (eds.), *Risk Assessment as a Tool for Water Resources Decision-Making in Central Asia: Proceedings of a NATO Advanced Research Workshop*. Kluwer Academic Publishers, Dordrecht, Netherlands. NATO Science Series, Earth and Environmental Sciences 34: 1-15.

Teaf, C.M., B. Yessekin and M. Khankhasayev (eds). 2004. *Water Resources and Environmental Decision-Making in Central Asia: Proceedings of a NATO Advanced Research Workshop*. Kluwer Academic Publishers, Dordrecht, Netherlands. NATO Science Series, Earth and Environmental Sciences Volume 34. 324 pp.

Kuperberg, J.M., C.M. Teaf and H.V. Ritchie. 2003. Clean Up Approaches. *In*: Stapleton, R.M. (ed.), *Pollution A to Z*. Macmillan Reference Books, New York, NY.

Finley, B.L., T.J. Iannuzzi, N.D. Wilson, J.C. Kinnell, V. Craven, S. Lemeshow, C.M. Teaf, E.J. Calabrese and P.T. Kosteki,. 2003. The Passaic River Creel Angler Survey: Expert Panel Review, Findings and Recommendations. *Human and Ecological Risk Assessment* 9(3): 829-855.

DeMeo, R.A. and C.M. Teaf. 2003. Roles of the Attorney and Technical Consultants in Planning, Preparing and Presenting a Technical Case in Litigation. For National Registry of Environmental Professionals (NREP) and the International Society of Technical and Environmental Professionals (INSTEP). Orlando, FL. November, 2003.

Teaf, C.M. 2003. Overview of Risks Posed by Biological and Chemical Contaminants in Drinking Water. NATO Pilot Study Meeting: Tools and Approaches for Sustainability and Environmental Decision-Making in Central Asia. Almaty, Kazakhstan. November, 2003.

Aertgeerts, R., J. Colford and C.M. Teaf. 2003. Potential Health Effects of Saline Waters: Toxicology & Epidemiology. *Proceedings of the Sixth International Symposium on Environmental Contamination in Central and Eastern Europe, Prague, Czech Republic*. September, 2003. (*Also served as Session Moderator*).

Teaf, C.M., D.J. Covert and R.M. Coleman. 2003. Risk Assessment Applications Beyond Baseline Risks and Clean-up Goals. *Soils & Sediment Contamination* 12(4): 497-506. July, 2003.

Teaf, C.M. 2003. Chemical Agents Relevant to Terrorism Against Food Supplies and Water. 2003. Statewide Health Department Video Conference on Chemical Terrorism. For Florida State University College of Medicine and Florida Department of Health. June, 2003.

Teaf, C.M., D.J. Covert and R.M. Coleman. 2003. Arsenic in Florida: An Update on the SCTL Process. For Air & Waste Management Association. Pensacola, FL. May, 2003.

Teaf, C.M. 2003. Toxicology and adverse health impacts from the consumption of highly saline water supplies. World Health Organization Public Health Initiatives Meeting. Copenhagen, Denmark. April, 2003.

Teaf, C.M., D.J. Covert and R.M. Coleman. 2002. Risk Assessment Applications in Atypical Circumstances. 18th Annual International Conference on Contaminated Soils, Sediments and Water. Amherst, MA. October, 2002.

Teaf, C.M. and J.M. Kuperberg. 2002. Development of Health-based Water Criteria for Environmental Chemicals: Theory and Application. NATO Advanced Research Workshop: Risk Assessment as a Tool for Environmental Decision-Making in Central Asia. Almaty, Kazakhstan. September, 2002.

Teaf, C.M. 2002. Risk Assessment & Risk Management: Goals and Applications. NATO Advanced Research Workshop on Water Resources and Environmental Decision-Making in Central Asia. Almaty, Kazakhstan. September, 2002.

Teaf, C.M., J.M. Kuperberg, H.V. Ritchie and B.J. Tuovila. 2002. Vulnerability of Water Systems to Chemical Attack. In: R. Aertgeerts (ed.), Prevention and Management of Substance Terrorism Against Water Services. World Health Organization Monograph. 85 pp.

I. Petrisor, M. Stefanescu, S. Dobrota, A. Voicu and C.M. Teaf. 2002. Microbiota Involved in Vegetation of Sulphidic Mine Tailings: Greenhouse Experiments. 18th Annual International Conference on Contaminated Soils, Sediments and Water. Amherst, MA. October, 2002.

Teaf, C.M., J.M. Kuperberg, and H.V. Ritchie. 2002.. Toxicology and the Environmental Behavior of Selected Chemical Terrorism Agents. Environmental Response Team Training, Florida Department of Environmental Protection, Division of Law Enforcement. Camp Blanding, FL. April, 2002.

Teaf, C.M., H.V. Ritchie, and J.M. Kuperberg. 2002. Chemical Terrorism: Properties and Toxicological Effects of Selected Agents. Conference on Terrorism in the New Millenium. Tampa, FL. April, 2002.

Petrisor, I., K. Komnitsas, I. Lazar, J.M. Kuperberg and C.M. Teaf. 2002. Studies on Biosorption of Heavy Metals from Mine Effluents. Proceedings of the 12th Annual West Coast Conference on Contaminated Soil, Sediment and Water. San Diego, CA. March, 2002.

Teaf, C.M., J.M. Kuperberg, I.G. Petrisor, E. Wcislo, R. Kucharski, T. Hazen and A. Tien. 2001. Bioremediation of a Petroleum-contaminated Site in Southern Poland: Phase 1 – Site Characterization and Risk Assessment. Proceedings of the First International Congress on Petroleum Contaminated Soils, Sediments & Water. London, UK, August 2001. (*Also served as Session Moderator*)

Petrisor, I.G., S. Dobrota, A. Voicu, M. Stefanescu, C. Teaf, M. Kuperberg. 2001. Emulsifying Activity of Several Good Hydrocarbon Degrading Bacterial Strains. Proceedings of the First International Congress on Petroleum Contaminated Soils, Sediments & Water. London, UK, August 2001.

Kuperberg, J.M., C.M. Teaf, I.G. Petrisor, A. Worsztynowicz, M. Adamski, M. Heitkamp, T. Hazen and A. Tien. 2001. Bioremediation of a Petroleum-contaminated Site in Southern Poland: Phase 2 – Biopile Construction and Operation. Proceedings of the First International Congress on Petroleum Contaminated Soils, Sediments & Water. London, UK, August 2001.

Teaf, C.M. 2001. Risk Assessment Principles and Practice in the US. Planning Seminar on Introduction of the Rapid Environmental and Health Risk Assessment Protocol for the Lower Danube River. World Health Organization and Italian Ministry of the Environment. Sofia, Bulgaria, January, 2001.

Petrisor, I.G., S. Dobrota, I. Lazar, A. Voicu, M. Stefanescu, M. Kuperberg, and C. Teaf,. 2001. Field Deployment of Oily Sludge Bioremediation in Romania. Proceedings of the 2001 International Containment & Remediation Technology Conference and Exhibition. Orlando, FL.

Teaf, C.M. 2000. Toxic Effects of Chlorinated and Nonchlorinated Solvents. *In*: Williams, P. et al. (eds.), Principles and Practices of Toxicology: Industrial and Environmental Applications. John Wiley & Sons, Inc., New York, NY.

Donkin, S.R., D.L. Ohlson and C.M. Teaf. 2000. Properties and Effects of Metals. *In*: Williams, P. et al. (eds.), Principles and Practices of Toxicology: Industrial and Environmental Applications. John Wiley & Sons, Inc., New York, NY.

Teaf, C.M. and P. Middendorf. 2000. Mutagenesis and Genetic Toxicology. *In*: Williams, P. et al. (eds.), Principles and Practices of Toxicology: Industrial and Environmental Applications. John Wiley & Sons, Inc., New York, NY.

Smoak, J.M., M. Brenner, M.S. Allen, C.M. Teaf and B.J. Tuovila. 2000. Elevated radium in Florida lakes. Proceedings of the American Geophysical Union meeting, San Francisco, CA. December, 2000.

Abdel-Rahman, M.S., H. Brown, B.G. Callahan, R. Di Giulio, C. Metcalfe, C. Teaf, and R. Yang. 2000. Peer Review Panel Report for the Fox River Human and Ecological Risk Assessments. Association for Environmental health & Sciences, Amherst, MA. June, 2000.

Leeper, D.A., M.H. Kelly, M. Brenner, J.M. Smoak, W. Kenney, T.J. Whitmore, M.S. Allen, C.L. Schelske, B.J. Tuovila and C.M. Teaf. 2000. Radium-226 in Florida lakes: bioaccumulation and environmental risks. North American Lake Management Society 2000 Annual Meeting. Miami, FL. November, 2000.

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The Florida Hazardous Waste Regulation Program: History and Positive Impacts on Florida's Environment. For Florida Department of Environmental Protection (Bureau of Waste Planning and Regulation). 1998 (Contract HW-330).

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Development and Performance of RCRA-related Personnel Health and Safety Training Activities. For Florida Department of Environmental Protection (Bureau of Waste Planning and Regulation). 1996-1999 (Contract HW-330).

Leon County Emergency Management Plan for Hazardous Materials at Fixed Facilities. For Leon County Board of Commissioners, Leon County Division of Emergency Management and Florida Department of Community Affairs. 1996-1997.

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Development and Performance of RCRA-related Personnel Health and Safety Training Activities. For Florida Department of Environmental Protection (Bureau of Waste Planning and Regulation). 1993-1996 (Contract HW-242).

Toxicological Support Services and Public Health Training for Physicians and Environmental Health Personnel. For Florida Department of Health & Rehabilitative Services. 1995-1997.

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Seafood Safety: Toxicology and Microbial Issues Related to Contaminated Products. For U.S. Environmental Protection Agency Gulf of Mexico Program. 1994-1995.

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Development and Performance of Specific RCRA-related Personnel Health and Safety Training Activities. For Florida Department of Environmental Regulation (Bureau of Waste Planning and Regulation). 1992-1993 (Contract HW-218).

Leon County Emergency Management Plan for Hazardous Materials at Fixed Facilities. For Leon County Board of Commissioners, Leon County Division of Emergency Management and Florida Department of Community Affairs. 1992-1993.

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Development and Performance of Specific RCRA-related Personnel Health and Safety Training Activities. For Florida Department of Environmental Regulation (Bureau of Waste Planning and Regulation). 1991-1992 (Contract HW-196).

Quality Assurance Review and Evaluation for Petroleum Contamination Sites Database. For Florida Department of Environmental Regulation (Division of Waste Mgmt). 1990-1991 (Contract GC-128).

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Development of Site Rehabilitation Levels per Chapter 17-70, F.A.C. For Florida Department of Environmental Regulation. 1989-1990 (Contract HW-135).

Risk Assessment for Establishment of Acceptable Contaminant Levels in Environmental Media. (Toxicant Profiles for 8 compounds). For Florida Department of Environmental Regulation. 1988-1989 (Contract WM-318).

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Characterization of Municipal Waste Combustion Ash Disposal Practices and Facilities (Preliminary Summary of Seventy-Two Municipal Waste Combustion Ash Disposal Facilities). #EPA/600/X-88/360. October, 1988.

Facility/Site Description of Pinellas County Solid Waste Management Complex Pinellas County, Florida. For U.S. Environmental Protection Agency. March, 1988.

Facility/Site Description of Southeast Hillsborough County Sanitary Landfill Hillsborough County, Florida. For U.S. Environmental Protection Agency. March, 1988.

Leon County Comprehensive Emergency Management Plan for Hazardous Materials. For Leon County Board of Commissioners, Division of Emergency Management and Florida Department of Community Affairs. Final Report. March, 1989.

1989 Annual Report of the State University System Toxicological Research Coordinating Committee. For the Florida Legislature and Office of the Governor. Final Report. March, 1989.

Risk Assessment for Establishment of Acceptable Contaminant Levels in Environmental Media. (Toxicant Profiles for 15 compounds) For Florida Department of Environmental Regulation. 1988-1989 (Contract WM-251).

Toxicological Support Services: Reviews of Site-Specific Risk Assessments and the Development of Acceptable Exposure Guidelines for Hazardous Waste Sites under CERCLA. For Florida Department of Environmental Regulation (Division of Waste Cleanup). 1988-1989 (Contract WM-223).

Technical Evaluation and Regulatory Review of RCRA Facility Closure Risk Assessments. For Florida Department of Environmental Regulation (Bureau of Environmental Permitting). 1988-1989 (Contract HW-98).

Locational Survey of Underground Storage Tank Facilities in Florida for Use in the State's Intergraph Data Base System. For Florida Department of Environmental Regulation (Bureau of Waste Management, Storage Tank Regulation Section). Final Report. January, 1989.

Development of Monitoring Guidance with an Emphasis on Wet Environments. For U.S. Environmental Protection Agency. 1987-1994 (ongoing).

Toxicological Support Services: Reviews of Site-Specific Risk Assessments and the Development of Acceptable Exposure Guidelines for Hazardous Waste Sites under CERCLA. For Florida Department of Environmental Regulation (Division of Waste Management). 1987-1988 (Contract WM-223).

Environmental Audit and Development of a Waste Management Plan. For Baptist Medical Center. Jacksonville, Florida. 1987.

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Relative Risks from Multiple Routes of Exposure to Toxicants Found in Water Supplies: A Review and Evaluation. For Florida Department of Environmental Regulation (Bureau of Groundwater Protection). Final Report. November, 1987.

Toxicological Support Services: Reviews of Site-Specific Risk Assessments and the Development of Acceptable Exposure Guidelines for Hazardous Waste Sites (e.g., CERCLA, State-lead). For Florida Department of Environmental Regulation (Bureau of Operations). 1986-1987 (Contract WM-186).

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Hazardous Waste Management Guide for Automotive Repair and Supply Shops. For Florida Automotive Services Council. Final Report. May, 1986.

Manual for Training Course on Emergency Response and Contingency Planning. For the U.S. Environmental Protection Agency. 1986.

Risk Assessment for Determination of Acceptable Levels of Selected Toxic Compounds in Florida Groundwater. (Toxicant Profiles for 28 compounds). For Florida Department of Environmental Regulation, Florida Board of Regents and Florida Department of Health and Rehabilitative Services. 1983-1987. Final Revised Reports. November, 1987.

Training Manual - Seminar on the Florida Right-to-Know Law and Management of Hazardous Wastes by Hospitals. For Florida Hospital Association. 1985.

Hazardous Waste Management Guide for Florida Hospitals. For Florida Hospital Association. 1985.

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Alternative Technologies for Hazardous Waste Management in Florida. For the Florida Institute of Government and the Florida Legislature. 1984.

Toxicological Evaluation Manual: Risk Assessment and Safety Determination for Chemical Exposures. For the Florida Department of Health and Rehabilitative Services. 1984.

Development of a National Training Center for Hazardous Materials Management: A Concept Paper. For State of Florida and U.S. Environmental Protection Agency. 1983.

Leon County Biological Relationships. For Leon County Board of Commissioners and City of Tallahassee. 1983.

Hazardous Waste Issues in Florida: A Legislative Monograph. For Florida House of Representatives and Florida Senate. 1983.

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Southern Waste Information Exchange Catalog. Published quarterly 1982 to present.

East Pass Lagoon Water Quality Study: Phases I, II, III. For Okaloosa Co. Bd. of Commissioners. 1982.

Siting of a Hazardous Waste Management Facility: An Overview. 1982.

Hazardous Waste: A Management Perspective. Final Report of the Governor's Hazardous Waste Policy Advisory Council to the Florida Legislature. 1981.

Hazardous Materials Contingency Plans for Local Governments. For U.S. Environmental Protection Agency. 1981.

Feasibility Study for Establishing a Florida Waste Exchange. For Florida Department of Environmental Regulation. 1981.

An Analysis of the Local, State, and Federal Authority and Responsibility for Hazardous Materials Incidents in Leon County, Florida. For Leon County Board of Commissioners. 1980.

Hazardous Waste Incidents in the State of Florida (Volume II). For Florida Department of Environmental Regulation. 1980.

Assessment of the Economic Impact of Florida's Proposed Hazardous Waste Control Program on Selected Industries. For Florida Department of Environmental Regulation. 1979.

Hazardous Waste Incidents in the State of Florida (Volume I). For Florida Department of Environmental Regulation. 1978.

Hazardous Waste Survey for the State of Florida. For Florida Department of Environmental Regulation. 1977.

SELECTED CONFERENCES AND TRAINING COURSES:

Personnel Health and Safety Refresher Training Course (8 hours). For Florida Department of Environmental Protection. Tallahassee, FL. April, 2008.

Weeks, N., Jones, D., Teaf, C.M., Lubozynski, and Petrovich, M. 2007. RBCA and Conditional Closure as a Brownfields Tool. 10th Annual Florida Brownfields Conference & Exhibition. November, 2007. Orlando, FL.

Personnel Health and Safety Refresher Course (8 hours). For Florida Department of Environmental Protection. Tallahassee, FL. April, 2007.

Teaf, C.M. and L. Gray. 2007. Principles, Terminology & Applications of Toxicology in a University Setting. For Environmental Health & Safety Department, Florida State University, Tallahassee, FL. April, 2007

Teaf, C.M. 2006. Disinfection byproducts: Benefits & limitations of existing drinking water guidelines. U.S. Environmental Protection Agency Federal-State Toxicology and Risk Analysis (FSTRAC) "Safe & Clean Water" Meeting. December, 2006. Clearwater, FL.

Teaf, C.M. 2006. Arsenic bioavailability workshop: Physical and chemical characteristics of soils which influence decisions regarding arsenic bioavailability and health risks. EPRI Arsenic Work Group. December, 2006. Tampa, FL

Teaf, C.M. and P.H. Burress. 2006. Principles, Terminology & Applications of Toxicology in a University Setting. For Environmental Health & Safety Department, Florida State University, Tallahassee, FL. July, 2006.

Personnel Health and Safety Refresher Course (8 hours). For Florida Department of Environmental Protection. Tallahassee, FL. April, 2006.

Teaf, C.M., P.T. Medico, F.J. Bermudez, and B.S. Clark. 2005. Case Study: Beneficial Use of RSM in Residential Applications:. 15th Annual Materials Reuse and Recycling Conference. June, 2005. Key West, FL.

Teaf, C.M. 2005. Chemicals in the Workplace: How a Toxicologist Analyzes Exposure. 10th Anniversary Conference & CLE for the Workers Injury Law & Advocacy Group. April 2005. Washington, DC.

Personnel Health and Safety Refresher Course (8 hours). For Florida Department of Environmental Protection. Tallahassee, FL. April, 2005.

Khankhasayev, M., R. Herndon, J. Moerlins and C. Teaf. 2005. Overview of NATO CCMS Pilot Study on Environmental Decision-making for Sustainable Development in Central Asia. Presented at NATO Advanced Research Workshop (ARW) on Environmental Security and Sustainable Land Use of the Mountain and Steppe Territories of Mongolia and Altai: Present Day Role of Traditions and Science. Presented at NATO ARW, Barnaul, Russia, October 2004.

Teaf, C.M., H.V. Ritchie and R.M. Coleman. 2004. Status of the Science on Mold and Health Issues. Technical Seminar for First Coast Manufacturers Association. August, 2004. Jacksonville, FL.

Personnel Health and Safety Refresher Course (8 hours). For Florida Department of Environmental Protection. Tallahassee, Florida. November, 2004.

Personnel Health and Safety Refresher Course (8 hours). For Florida Department of Environmental Protection. Tallahassee, Florida. March, 2004.

Teaf, C.M. and R.M. Coleman. 2004. Where Does the Science Stand on Mold Issues? Technical Seminar for White & Case Law Firm and for Marsh, Inc. January, 2004. Miami, FL.

NATO Pilot Study Meeting on Human Health Issues and Tools for Disease Prevention in Central Asia. Almaty, Kazakhstan. November, 2003. (*Served as Session Moderator*).

Sixth International Symposium on Environmental Contamination in Central and Eastern Europe. Prague, Czech Republic. September, 2003. (*Session Moderator and Steering Committee Member*).

OSHA Refresher Course for University Health and Safety Activities (8 hours). For Florida State University. Tallahassee, Florida. June 11, 2003.

Statewide Video Conference on Chemical Terrorism. For Florida State University College of Medicine and Florida Department of Health. June 10, 2003.

Personnel Health and Safety Refresher Course (8 hours). For Florida Department of Environmental Protection. Tallahassee, Florida. May 7, 2003.

Personnel Health and Safety Refresher Course for RCRA Activities (8 hours). For Florida Department of Environmental Protection. Tallahassee, Florida. January 8, 2003.

NATO Advanced Research Workshop: Risk Assessment as a Tool for Environmental Decision-Making in Central Asia. Almaty, Kazakhstan. September, 2002. (*Served as Co-Director and Editor of Proceedings*).

Safety Concerns: Awareness for the Field Inspector. For Florida Department of Environmental Protection. St. Petersburg, Florida. August, 2002

Vulnerability of Municipal and Private Water Systems to Chemical Attack. Presented at World Health Organization Restricted Expert Consultation on Prevention and Management of Substance Terrorism Against Water Services. Copenhagen, Denmark. November, 2001.

Personnel Health and Safety Refresher Course for RCRA Activities (8 hours). For Florida Department of Environmental Protection. Tallahassee, Florida. May, 2001.

Safety Concerns: Awareness for the Field Inspector. For Florida Department of Environmental Protection. St. Petersburg, Florida. August, 2001

Planning Seminar on Introduction of the Rapid Environmental and Health Risk Assessment for the Lower Danube River. For the World Health Organization and Italian Ministry of the Environment. Sofia, Bulgaria. January, 2001.

Evaluating and Communicating Health Risks. For Holland & Knight Annual Environmental Seminar Series. Orlando, Florida. October, 2000.

Fifth International Symposium on Environmental Contamination in Central and Eastern Europe. Prague, Czech Republic. September, 2000. (*Session Moderator and Steering Committee Member*).

14th Annual Environmental Permitting Summer School. Managing sites with chemical issues: Evaluation and presentation of risk information. For Florida Chamber of Commerce. Marco Island, Florida. July, 2000.

Personnel Health and Safety Refresher Course for RCRA Activities (8 hours). For Florida Department of Environmental Protection. Ft. Myers, Florida. August, 1999.

Toxicology and Risk Assessment: Using the Expert Witness. 1999 Annual Meeting, National Association of Legal Assistants. Tampa, FL. July, 1999.

Risk-Based Corrective Action at Miami International Airport. 1999 Hazardous Waste Management Conference. Miami, Florida. May, 1999.

Toxicology and Risk Considerations for Chlorinated Solvents. For Florida Department of Health & Rehabilitative Services. Wakulla Springs, Florida. May, 1999.

Fourth International Symposium on Environmental Contamination in Central and Eastern Europe. Warsaw, Poland. September, 1998. (*Session Moderator and Steering Committee Member*).

Personnel Health and Safety Refresher Course for RCRA Activities (8 hours). For Florida Department of Environmental Protection. Ft. Myers, Florida. July, 1998.

Risk Assessment Principles & Practice: Application to the Polish Environment. For Institute for Ecology of Industrial Areas and U.S. Department of Energy. Katowice, Poland. January, 1997.

Control of Reportable Diseases in Florida: A Public-Private Partnership. For Florida Department of Health & Rehabilitative Services. Tallahassee, Florida. October 24, 1996.

Third International Symposium on Environmental Contamination in Central and Eastern Europe. Warsaw, Poland. September, 1996. (*Session Moderator and Steering Committee Member*).

Personnel Health and Safety Refresher Course for RCRA Activities (8 hours). For Florida Department of Environmental Protection. Tallahassee, Florida. June 6, 1996.

Environmental Toxicology for Physicians *and* Medical History-taking in the Evaluation of Environmental or Occupational Disease. For Florida Department of Health & Rehabilitative Services. Sebring, Florida and Vero Beach, Florida. May 10 and May 15, 1996.

Control of Reportable Diseases in Florida: A Public-Private Partnership. For Florida Department of Health & Rehabilitative Services. Tallahassee, Florida. April 17, 1996.

RCRA Compliance Technical Assistance Training Courses. For Florida Department of Environmental Protection. Tallahassee, Florida (Eleven locations in Florida during period February to August, 1996).

Personnel Health and Safety Refresher Course for RCRA Activities (8 hours). For Florida Department of Environmental Protection. Tallahassee, Florida. April 2, 1996.

American Bar Association Section of Litigation, 8th Annual Environmental Litigation Midyear Meeting. Vail, Colorado. February 15-16, 1996.

12th Annual Environmental Permitting Short Course. For Florida Chamber of Commerce. Orlando, Florida. January 17-18, 1996.

1995 Conference on State of Practice of Risk Assessment in Human Health and Environmental Decision Making. Tallahassee, FL. December 13-14, 1995. (*Session Moderator and Steering Committee Member*).

Risk Assessments, Audits & Other Compliance Management Tools. Environmental Compliance & Risk Management Seminar, Florida Chamber of Commerce. Tampa, FL. November, 1995.

Air Contamination in Central and Eastern Europe: What We Have Seen Since the Iron Curtain was Pulled Back. For Carolinas Air Pollution Control Association. Myrtle Beach, SC. October, 1995.

Personnel Health and Safety Refresher Course for RCRA Activities (8 hours). For Florida Department of Environmental Protection. Tallahassee, Florida. September 27, 1995.

MGP'95 International Symposium and Trade Fair on the Cleanup of Manufactured Gas Plants. Prague, Czech Republic. September, 1995. (*Session Moderator and Steering Committee Member*).

Seafood Poisoning: Biological and Nonbiological Effects of Contaminated Fish and Shellfish from the Gulf of Mexico. For U.S. Environmental Protection Agency and Florida Department of Health and Rehabilitative Services. Tallahassee, Florida; Corpus Christi, Texas; Lafayette, Louisiana; Biloxi, Mississippi; Daytona Beach, Florida and Orange Beach, Alabama. March 26, May 22, July 15, August 3, August 18, October 13, October 18, November 11, 1994 and June 6, 1995.

Required Personnel Health and Safety Refresher Course for Hazardous Waste Activities (8 hours). For Levine•Fricke. Tallahassee, Florida. August 14, 1995.

Personnel Health and Safety Refresher Course for RCRA Activities (8 hours). For Florida Department of Environmental Protection. Tallahassee, Florida. May 18, 1995.

Worker Health and Safety Requirements. For U.S. Environmental Protection Agency RCRA Inspector Training Institute. Orlando, Florida. January 24-26, 1995.

Personnel Health and Safety Refresher Course for RCRA Activities (8 hours). For Florida Department of Environmental Protection. Ft. Myers, Florida. January 12, 1995.

RCRA Personnel Health and Safety Training Course (40 hours). For Florida Department of Environmental Protection. Orlando, Florida. December 5-9, 1994.

Training Course in Principles of Toxicology, Risk Assessment and Risk Communication. Conducted for Florida Department of Health and Rehabilitative Services. Jacksonville, Florida. November, 1994.

Risk Assessments: Understanding Their Strengths and Weaknesses (*Session Co-Chair*). For the Florida Bar Association, Environmental and Land Use Law Committee. Tampa, Florida. October 10, 1994.

Training Course for RCRA Inspectors. For Florida Department of Environmental Protection. Tallahassee, Florida. October 4-6, 1994.

Second International Symposium on Environmental Contamination in Central and Eastern Europe. Budapest, Hungary. September 20-23, 1994. (*Session Moderator and Steering Committee Member*).

Personnel Health and Safety Refresher Course for RCRA Activities (8 hours). For Florida Department of Environmental Protection. Tallahassee, Florida. August 23, 1994.

Regulations, Environmental Considerations and Safety Aspects of Petroleum Sites under Chapter 17-770. For Florida Department of Environmental Protection. Tallahassee, Florida. June 7-8, 1994.

Toxicology & Risk Assessment Training Course. Conducted for Florida Department of Environmental Protection. Tallahassee, Florida. May 18-19, 1994.

Seminars for Physicians and Medical Personnel on Public Health Implications of Toxic Materials and Hazardous Waste Sites. For Florida Department of Health and Rehabilitative Services and Agency for Toxic Substances and Disease Registry. Miami, Sarasota and Tallahassee, Florida. March 3, March 11, March 12, March 25 and March 30, 1994.

Required Personnel Health and Safety Refresher Course for Hazardous Waste Activities (8 hours). For Levine•Fricke. Tallahassee, Florida. March 7, 1994.

Training Course in Principles of Toxicology, Risk Assessment and Risk Communication. Conducted for Florida Department of Health & Rehabilitative Services. Jacksonville, Florida. February 3-4, 1994.

Personnel Health and Safety Refresher Course for RCRA Activities (8 hours). For Florida Department of Environmental Regulation. Tallahassee, Florida. January 8, 1994.

RCRA Personnel Health and Safety Training Course (40 hours). For Florida Department of Environmental Regulation. Orlando, Florida. December 6-10, 1993.

Personnel Health and Safety Refresher Course for RCRA Activities (8 hours). For Florida Department of Environmental Regulation. Tallahassee, Florida. July 8, 1993.

Personnel Health and Safety Refresher Course for RCRA Activities (8 hours). For Florida Department of Environmental Regulation. Orlando, Florida. May 20, 1993.

Medical Seminars on Public Health Implications of Hazardous Waste Sites. For Florida Department of Health and Rehabilitative Services and Agency for Toxic Substances and Disease Registry. Pensacola, Ft. Lauderdale and Miami, Florida. March, April, May, November, 1993.

Training Course in Principles of Toxicology, Risk Assessment and Risk Communication. Conducted for Florida Department of Health and Rehabilitative Services. Ft. Myers, Florida. January 28-29, 1993.

Personnel Health and Safety Refresher Course for Hazardous Waste Activities (8 hours). For Florida Department of Environmental Regulation. Tallahassee, Florida. December 9, 1992.

RCRA Personnel Health and Safety Training Course (40 hours). For Florida Department of Environmental Regulation. Tallahassee, Florida. November 16-20, 1992.

Required Personnel Health and Safety Refresher Course for Hazardous Waste Activities (8 hours). For Levine•Fricke. Tallahassee, Florida. November 18, 1992.

First International Symposium on Environmental Contamination in Central and Eastern Europe. Budapest, Hungary. October 21-24, 1992. (*Session Moderator and Steering Committee Member*).

Training Course in Principles of Toxicology and Risk Assessment. For Florida Department of Health and Rehabilitative Services. Orlando, Florida. July 23-24, 1992.

RCRA Personnel Health and Safety Required Refresher Course (8 hours). For Florida Department of Environmental Regulation. Orlando and Tallahassee, Florida. May 29, June 23 and September 15, 1992.

Training Course in Principles of Toxicology and Risk Assessment. Conducted for Florida Department of Health and Rehabilitative Services. Tallahassee, Florida. June 18-19, 1992.

General Principles of Toxicology and Risk Assessment (3 Graduate Semester Hours). For Department of Biological Science, Florida State University. Tallahassee, Florida. January to April, 1992.

Medical Seminar on Community Public Health Implications of Hazardous Waste Sites. For Florida Department of Health and Rehabilitative Services and Agency for Toxic Substances and Disease Registry. Rockledge, Miami, and Orlando, Florida. April 10, April 24, May 28 and October 22, 1992.

Personnel Health & Safety Refresher Course for Hazardous Waste Activities (8 hours). For Florida Department of Environmental Regulation. Orlando, Tallahassee, FL. April, October, November, 1991.

RCRA Personnel Health and Safety Training Course (40 hours). For Florida Department of Environmental Regulation. Tallahassee, Florida. January 4-8 and September 16-20, 1991.

Physician Training Course on Public Health Implications of Environmental Toxicants. For Florida Department of Health and Rehabilitative Services and Agency for Toxic Substances and Disease Registry. St. Petersburg and Orlando, Florida. April 12, September 13 and September 25, 1991.

Supervisors Site Health and Safety Training Course for Hazardous Waste Activities (8 hours). For Levine•Fricke. Tallahassee, Florida. June 18, 1991.

Required Personnel Health and Safety Refresher Course for Hazardous Waste Activities (8 hours). For Levine•Fricke. Tallahassee, Florida. June 17, 1991.

Training Course on General Principles of Toxicology and Risk Assessment. Conducted for Florida Department of Health and Rehabilitative Services. Orlando, Florida. May 1-2 and May 21-22, 1991.

Training Course on Mixed Radioactive and Hazardous Waste. For Florida Department of Environmental Regulation. Tallahassee, Florida. October, 1990.

Physician Training Course on Public Health Implications of Environmental Toxicants. For Florida Department of Health and Rehabilitative Services and Agency for Toxic Substances and Disease Registry. Tampa and Tallahassee, Florida. March 15 and July 24, 1990.

Mercury Contamination in Florida: Impacts and Solutions. Conducted by FSU Center for Biomedical & Toxicological Research, sponsored by 19 federal and state agencies. June 20-21, 1990.

Environmental Toxicology & Epidemiology: A Practical Approach for Local Health Officials and Physicians. For National Association of County Health Officials (NACHO), Agency for Toxic Substances and Disease Registry, and Florida Department of Health. Ft. Lauderdale, FL. July, 1990.

RCRA Personnel Health and Safety Training Course (40 hours). For Florida Department of Environmental Regulation. Tallahassee, Florida. June 4-8, 1990.

RCRA Personnel Health and Safety Required Refresher Course (8 hours). For Florida Department of Environmental Regulation. Tallahassee, Florida. May 31, 1990.

RCRA Personnel Health and Safety: Basic Training Course (40 hours). For Florida Department of Environmental Regulation. Orlando, Florida and Tallahassee, FL. April 24-28 and December 4-8, 1989.

Groundwater Investigations and Application to Assessment of Risks. For Florida Department of Environmental Regulation. Tallahassee, Florida. June 6-7, 1989.

Risk Assessment & Decision-Making Training. Conducted for Florida Department of Environmental Regulation and U.S. Environmental Protection Agency. Tallahassee, Florida. August 30-31, 1988.

Training Course on General Principles of Toxicology and Risk Assessment. Conducted for Florida Department of Health and Rehabilitative Services. Tallahassee, Florida. September 2-3, 1987 and Orlando, Florida. October 27-28, 1987.

Hazardous Materials Training (Risk Assessment; Hazardous Materials Contingency Plans). Conducted for National Hazardous Materials Training Center, Little Rock, Arkansas. October 28-30, 1986.

Training Course on Toxicology: Hazardous Waste Field Activities. Conducted for the Florida Department of Environmental Regulation and the Florida Department of Health and Rehabilitative Services. Tallahassee, Florida. June 25-26, 1986 and Orlando, Florida. October 8-9, 1986.

Training Course on Emergency Response and Contingency Planning. Conducted for the U.S. Environmental Protection Agency. Atlanta, Georgia. March, 1985; March, 1986.

Training Course for the Holmes Regional Medical Center: Employee Toxic Substances Right-to-Know Program. Conducted for the Holmes Regional Medical Center. Melbourne, Florida. 1986.

Training Seminar on the Florida Right-to-Know Law and Management of Hazardous Wastes by Hospitals. Conducted for the Florida Hospital Association (FHA). Orlando, Florida. August, 1986.

Training Seminar on the Florida Right-to-Know Law and Management of Hazardous Wastes by Hospitals. Conducted for the Florida Hospital Association (FHA). Orlando, Florida. November, 1985.

Hazardous Waste Disposal and Hazardous Substances Right-to-Know Regulations. Conducted for Florida Hospital Engineers Association. Orlando, Florida. April 4, 1986.

Second National Conference on Waste Exchange & Resource Reuse. Tallahassee, Florida. March, 1985.

Training Course on the OSHA Hazard Communication Standard. Orlando, Florida. February, 1985.

Symposium: Alternative Technologies for Waste Management. Tallahassee, FL. February, 1984.

Training Course on Toxicology and Risk Assessment. Conducted for the Florida Department of Health and Rehabilitative Services. Orlando, Florida. October 3-5, 1984.

Monitoring and Management of Hazardous Waste at RCRA Subtitle D Facilities. Conducted for U.S. EPA Office of Research & Development. Tallahassee, Florida. October, 1984.

Symposium on EDB. Conducted for FL State University System. Tallahassee, FL. February, 1984.

Workshop on Monitoring Considerations in the Siting and Operation of Hazardous Waste Disposal Facilities in Temperate Zone Wet Environments. Conducted for the Office of Research and Development, U.S. Environmental Protection Agency. Tallahassee, Florida. October 4-5, 1983.

First National Conference on Waste Exchange and Resource Reuse. Tallahassee, Florida. March, 1983.

Training Course on Management of Hazardous Waste and Hazardous Materials. Conducted for the Florida Department of Environmental Regulation. Orlando, Florida. January 14-15, 1981.

Hazardous Materials Contingency Planning Workshop. Conducted for Region IV, Environmental Emergencies Branch, U.S. Environmental Protection Agency. Atlanta, Georgia. March 26, 1981.

Workshop on Hazardous Waste Management for Educational Institutions. Conducted for the Florida Department of Education. Orlando, Florida. February 3-4, 1981.

Hazardous Materials Incidents Workshop for Leon County, Florida. Conducted for the Leon County Commission. Tallahassee, Florida. July 14, 1980.

State Waste Exchange Workshop. For Florida Chamber of Commerce. Tallahassee, FL. December, 1980.

Hazardous Waste Management Seminar for Engineers. Conducted for the Florida Engineering Society. Tampa, FL. November, 1980.